

## HANDHELD BROWSER TRANSCODING

### ABSTRACT OF THE INVENTION

5        A hand-held computer device with integral web page transcoding. A processor, forming a part of the handheld computer has a display coupled to the processor forming a part of the handheld computer, with the display having limited resolution of MxN pixels. A browser program running on the processor facilitates retrieving and viewing of a web page having size greater than MxN on the display. This is accomplished in a  
10      browser having an associated browser plug-in that encodes the web page to a format adapted to the display. The transcoding is carried out by generating a menu of frames from the web page to permit a user to select a desired frame for display by selecting frame titles as menu selections; compressing an image to a size suitable for display on the MxN resolution display, wherein the image has size and pixel depth, by reducing the image's size and reducing the image's pixel depth; and converting multiple columns into a single column for display on the MxN resolution display by removing redundant table definition tags.

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